

CLAIMS

1. Arrangement (47) in a node (40) of a communication network (30),

- 5 said node (40) applying a first communication protocol for data transfer on links between nodes in said network and applying a second communication protocol for data transfer on point-to-point connections in said network,

c h a r a c t e r i s e d i n

- 10 a single access point (471) for at least one link,

at least two assigned point-to-point connections (472) to other network nodes supporting said second communication protocol,

- means (473) for selecting an appropriate and operative one
15 of said assigned point-to-point connections (472),

means (474) for monitoring the operability of assigned point-to-point connections (472),

- means (475) for initiating a reselection of a redundant point-to-point connection (472) in order to replace a point-
20 to-point connection that has been detected to be inoperative.

2. Arrangement according to claim 1,

c h a r a c t e r i s e d i n

- means (473) for preferably selecting a default point-to-
25 point connection as long as this connection is monitored to be operative.

3. Arrangement according to claim 1 or 2,

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c h a r a c t e r i s e d i n

means (475) for indicating a restriction for the selection of a certain point-to-point connection.

4. Arrangement according to one of claims 1-3,

5 c h a r a c t e r i s e d i n

means (475) for indicating operative changes of a link.

5. Arrangement according to one of claims 1-3,

c h a r a c t e r i s e d i n

10 means (475) for periodically indicating the status of a link.

6. Arrangement according to one of claims 1 - 5,

c h a r a c t e r i s e d i n

said first communication protocol is a TCP/IP protocol and said second communication protocol is an ATM protocol.

15 7. Communication network consisting of a plurality of interconnected nodes

20 whereof a first plurality of said nodes apply a first communication protocol for data transfer on links between nodes in said network and a second plurality of said nodes apply a second communication protocol for data transfer on point-to-point connections in said network,

whereof at least two of said nodes apply both communication protocols,

c h a r a c t e r i s e d i n

25 said at least two nodes including the arrangement according to one of claims 1-6.

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8. Method for data transmission according to a first communication protocol in at least two nodes (31,32) of a communication network (30) consisting of a plurality of interconnected nodes,

- 5 said nodes applying in said network a first communication protocol for data transfer on links between nodes and a second communication protocol for data transfer on point-to-point connections,

c h a r a c t e r i s e d i n

- 10 assigning at least two point-to-point connections as part of a link for data transmission,

selecting (63) an appropriate and operative one of said assigned point-to-point connections,

- 15 monitoring (65) the operability of assigned point-to-point connections,

reselecting (63) a redundant point-to-point connection in order to replace a point-to-point connection that has been detected to be inoperative (66).

9. Method according to claim 8,

- 20 c h a r a c t e r i s e d i n

selecting (62) a default point-to-point connection as long as this connection is monitored to be operative.

10. Method according to claim 8 or 9,

c h a r a c t e r i s e d i n

- 25 indicating a restriction for assignment of certain point-to-point connections.

11. Method according to one of claims 8-10,

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c h a r a c t e r i s e d i n

indicating (64) operative changes of a link.

12. Method according to one of claims 8-10,

c h a r a c t e r i s e d i n

5 indicating (64) the status of a link at periodical times.

13. Method in a communication network, said network
consisting of a plurality of interconnected nodes

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10 whereof a first plurality of said nodes apply a first
communication protocol for data transfer on links between
nodes in said network and a second plurality of said nodes
apply a second communication protocol for data transfer on
point-to-point connections in said network,

whereof at least two of said nodes apply both communication
protocols,

15 c h a r a c t e r i s e d i n

said at least two nodes performing the method according to
one of claims 8-12.